Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/18/2021 09:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124032	-1	2.25	124211	2.21
Blue	F	SSC	125000	122142	-3	3.14	123019	3.11
Blue	E	FITC	14203	13702	-4	2.76	298	16.16
Blue	D	PE	25703	25148	-3	2.30	546	11.14
Blue	B	PerCP-Cy5-5	42104	40832	-4	3.19	909	15.22
Blue	A	PE-Cy7	34646	34123	-2	4.57	486	30.60
Red	C	APC	49824	48984	-2	2.83	1497	11.57
Red	A	APC-Cy7	39773	38953	-3	2.92	725	12.07
Violet	B	V450	7447	7248	-3	4.05	415	12.82
Violet	A	V500	31193	30186	-4	3.85	688	10.26

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21493	2.62	557	1	N/A	N/A	Pass
Blue	F	SSC	53973	2.68	518	6	N/A	N/A	Pass
Blue	E	FITC	55	57.02	488	2	0.0365	191	Pass
Blue	D	PE	107	40.97	490	5	0.3411	294	Pass
Blue	B	PerCP-Cy5-5	175	37.07	581	4	0.0176	47	Pass
Blue	A	PE-Cy7	110	66.53	626	6	0.0201	0	Pass
Red	C	APC	349	24.03	569	2	0.0266	66	Pass
Red	A	APC-Cy7	201	24.86	546	2	0.0058	466	Pass
Violet	B	V450	92	42.14	456	7	0.0469	1796	Pass
Violet	A	V500	121	32.02	473	6	0.0272	1398	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.75	-31.42	0.97
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	20.00	15.99 - 23.99	N/A	N/A	29.75	30.03	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 12222

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments